

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/36 H04L12/24 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/35607 A (VOYAN TECHNOLOGY) 17 May 2001 (2001-05-17)	24
Y	paragraphs [0016], [0017]	25
A	paragraph [0022] - paragraph [0026] paragraphs [0032], [0034], [0036] -----	1-5, 10, 26, 27
Y	US 2003/123420 A1 (SHERLOCK IAN J) 3 July 2003 (2003-07-03) paragraph [0003] - paragraph [0005] paragraphs [0008], [0009] paragraph [0025] - paragraph [0031] abstract ----- -/-	1-5, 10-20, 24, 26-29

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"8" document member of the same patent family

Date of the actual completion of the international search

23 May 2005

Date of mailing of the international search report

03.06.05

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bösch, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052001

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	WO 01/78434 A (BIGHAM JOHN ; CUTHBERT LAURIE (GB); PARINI CLIVE (GB); QUEEN MARY & WE) 18 October 2001 (2001-10-18) page 3, line 1 - line 32 page 5, line 5 - page 6, line 18 page 8, line 26 - page 12, line 32 abstract	1-5, 10-20, 24,26-29 25
A	----- US 5 594 946 A (MENICH BARRY J ET AL) 14 January 1997 (1997-01-14) column 1, line 55 - column 2, line 13 column 2, line 43 - line 59 column 7, line 31 - column 8, line 58 abstract; figure 4	1-5, 10-20, 26-29
A	----- US 2003/016651 A1 (CHU WAI YIN ET AL) 23 January 2003 (2003-01-23) paragraph [0007] paragraph [0011] - paragraph [0016] paragraph [0063]	1-5, 10-20, 26-29
A	----- WO 98/23101 A (SHTROM VICTOR ; FROST OTIS L (US); ARGO SYSTEMS INC (US); HOGENAUER EU) 28 May 1998 (1998-05-28) page 7, line 3 - page 8, line 10	1-5, 10-20, 26-29
Y A	----- EP 0 621 707 A (IBM) 26 October 1994 (1994-10-26) page 3, line 51 - line 56 page 5, line 9 - line 36 page 7, line 50 - page 8, line 46 page 9, line 40 - page 12, line 31	25 1,10,24, 26
P,X	----- EP 1 420 602 A (HONG KONG APPLIED SCIENCE AND) 19 May 2004 (2004-05-19) paragraph [0008] - paragraph [0012] paragraph [0021] paragraph [0025] - paragraph [0028] paragraph [0031] - paragraph [0034] paragraph [0042] paragraph [0047] - paragraph [0054] paragraphs [0059], [0062], [0065] -----	1,24,26

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/052001

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-5, 10-20, 24-29

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,10-20,24-29

Independent Claims 1, 10, 24 and 26 relate to the provision of a resource-responsible agent for reducing a level of interference or making a portion of the shared resource available for use, in particular to:

- an identification function for identifying interference,
- a resource-responsibility agent responsive to the identification function, and
- a communication adaption function responsive to the resource-responsibility agent, for reducing a level of interference or making a portion of the shared resource available for use.

2. claims: 6-9,21-23

Independent Claim 21 relates to a reconciliation and mediation agent for reconciling an interference that a first network causes to (an)other network(s) by being operably coupled to and mediating between the at least two interfering uncoordinated networks.

Remark:

Dependent claims 6-9 relate to an appliance of the second invention in the first invention.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0135607	A	17-05-2001	AU 1481201 A	06-06-2001
			AU 1593501 A	06-06-2001
			AU 1596901 A	06-06-2001
			AU 1762301 A	06-06-2001
			EP 1232636 A1	21-08-2002
			WO 0135607 A1	17-05-2001
			WO 0135609 A1	17-05-2001
			WO 0135614 A1	17-05-2001
			WO 0135611 A1	17-05-2001
			US 6870901 B1	22-03-2005
			AU 1759801 A	06-06-2001
			AU 5287201 A	03-07-2001
			EP 1232569 A2	21-08-2002
			WO 0135608 A1	17-05-2001
			WO 0147170 A2	28-06-2001
			US 6834109 B1	21-12-2004

US 2003123420	A1	03-07-2003	NONE	

WO 0178434	A	18-10-2001	GB 2361385 A	17-10-2001
			AU 4854801 A	23-10-2001
			EP 1279308 A1	29-01-2003
			WO 0178434 A1	18-10-2001
			US 2004043764 A1	04-03-2004

US 5594946	A	14-01-1997	AU 678943 B2	12-06-1997
			AU 5414796 A	18-09-1996
			CA 2187326 A1	06-09-1996
			DE 69629773 D1	09-10-2003
			DE 69629773 T2	18-03-2004
			EP 0758505 A1	19-02-1997
			FI 964292 A	25-10-1996
			IL 116868 A	12-03-1999
			JP 9512694 T	16-12-1997
			WO 9627246 A1	06-09-1996

US 2003016651	A1	23-01-2003	NONE	

WO 9823101	A	28-05-1998	AU 5442998 A	10-06-1998
			BR 9713093 A	28-03-2000
			WO 9823101 A1	28-05-1998

EP 0621707	A	26-10-1994	US 5394433 A	28-02-1995
			CA 2114570 A1	23-10-1994
			DE 69432810 D1	17-07-2003
			DE 69432810 T2	15-04-2004
			EP 0621707 A2	26-10-1994
			JP 2501301 B2	29-05-1996
			JP 7015443 A	17-01-1995

EP 1420602	A	19-05-2004	US 2004077354 A1	22-04-2004
			CN 1523916 A	25-08-2004
			EP 1420602 A2	19-05-2004
			JP 2004282695 A	07-10-2004
